

imiD 2022

The 22nd International Meeting on Information Display
August 23-26, 2022 / BEXCO, BUSAN, KOREA

Session Title:	24. Bio-Integrated Optoelectronic Materials 1
Session Date:	August 25 (Thu.), 2022
Session Time:	09:00-10:35
Session Room:	Room H (316~317)
Session Chair(s):	Prof. Sungjune Jung (POSTECH, Korea)

[H24-1] [Invited]	09:00-09:25
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Soft Nanomembrane Bioelectronics for Advancing Human Healthcare

Woon-Hong Yeo (Georgia Tech., USA)

[H24-2] [Invited]	09:25-09:50
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Sono-Optogenetics: Ultrasound-Triggered Light Source for Minimally Invasive Optogenetics

Huiliang (Evan) Wang (Univ. of Texas at Austin, USA)

[H24-3]	09:50-10:05
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Biocompatible Silibinin Based Biodegradable Neuromorphic Device for Implantable Medical Electronics

Dong Hyun Choi, Hyung Tae Kim, Kyungho Park, Min Seong Kim, and Hyun Jae Kim (Yonsei Univ., Korea)

[H24-4]	10:05-10:20
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Bio-Inspired Organic Synapse based on Ferroelectric Ion Gel with Long Term Memory

Ritamay Bhunia, Joo Sung Kim, Hyukmin Kweon, Dong Jun Kim, and Do Hwan Kim (Hanyang Univ., Korea)

[H24-5]	10:20-10:35
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Hydrogel-Based Strong and Fast Actuators by Electroosmotic Turgor Pressure

Hyeonuk Na, Yong-Woo Kang, Chang Seo Park, Sohyun Jung, Ho-Young Kim, and Jeong-Yun Sun (Seoul Nat'l Univ., Korea)